



University of Tennessee Department of Civil & Environmental Engineering
Transportation Seminar Series

Randy M. Walker, Oak Ridge National Laboratory

***Freight 2.0: A New Paradigm for Freight
Security & Safety Systems in a Connected World***

**Thursday, February 6, 2014, 3:40 until 5:00 PM
327 John D. Tickle Building**



The Freight 2.0 initiative integrates emerging technologies by leveraging current DOT initiatives with those already developed ORNL Sensor and Information Technologies and Applications; thereby enabling a Freight 2.0 data highway. Freight 2.0 utilizes the same underlying social media and social networking methods and sensors that permit users to share photos and keep in touch with their friends and family by re-purposing the technology for supply chain stakeholders. Freight 2.0 leverages years of ORNL Sensor and IT R&D including testbed collaborations with military, state and local first responders, multi-model freight service providers, private sector shippers, and federal and international government partners.

Randy Walker is the Transportation Programs Manager for the Computational Sciences and Engineering Division at the Oak Ridge National Laboratory. He has worked as a systems engineer, instructor, operations manager and program manager during his career in areas such as transportation of hazardous materials and their regulations; compliance in the packaging and transportation of radioactive materials; rail, air, motor and intermodal freight economics and pricing; and transportation program development with DOE, EPA, DOT, DHS, DoD, and the commercial defense contractor sector. He is internationally recognized as a subject matter expert in the development of technology-driven security and safety policies for the international hazardous materials supply chain.

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